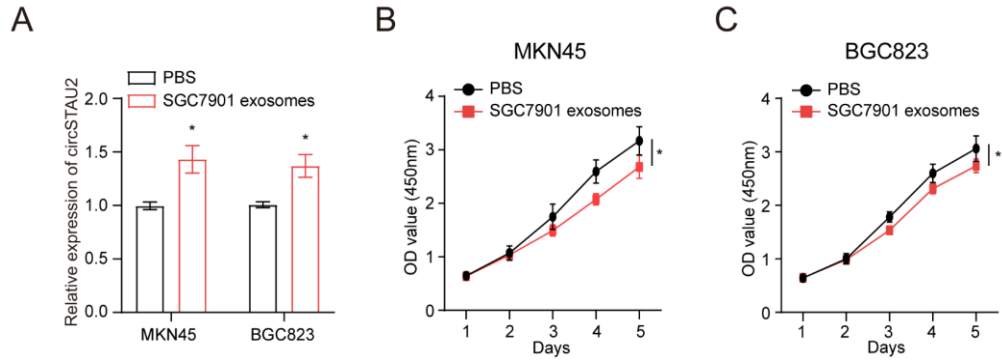


Supplementary Figure S1: The effects of exosomal circSTAU2 from SGC7901 cells on MKN45 and BGC823 cells. (A) qRT-PCR results of relative expression of circSTAU2 in MKN45 and BGC823 cells after co-incubated with exosomes from SGC7901 cells or PBS. (B-C) CCK8 results of MKN45 and BGC823 cells after co-incubated with exosomes from SGC7901 cells or PBS. Data are expressed as mean \pm SD. * $p < 0.05$.



Supplementary Table S1: sequences information for gene overexpression and knock down.

	5'-3'	3'-5'
NC-mimics	UUUGUACUACACAAAAGU ACUG	AAACAUGAUGUGUUUCA UGAC
miR-589- mimics	UGAGAACCACGUCUGCUC UGAG	ACUCUUGGUGCAGACGAG ACUC
NC-inhibitor	5'-CAGUACUUUUGUGUAGUACAAA-3'	
miR-589- inhibitor	5'-CUCAGAGCAGACGUGGUUCUCA-3'	
	Sense (5'-3')	Antisense (5'-3')
siMBNL1	GGAUGUUGCAGCUAGUAA AGG	UUUACUAGCUGCAACAUC CAA
siKHDRBS3	AGUCCUGUAUACUGUUCA AAG	UUGAACAGUAUACAGGAC UGG
shcircSTAU2	CCGGACAATCAGAGATGTT CTCAGCTCGAGCTGAGAAC ATCTCTGATTGTTTTTTG	AATTCAAAAAACAATCAGA GATGTTCTCAGCTCGAGCT GAGAACATCTCTGATTGT
shCAPZA1	CCGGCCTATGTGAAAGACC ATTATTCTCGAGAATAATGG TCTTTCACATAGGTTTTTG	AATTCAAAAACCTATGTGA AAGACCATTATTCTCGAGA ATAATGGTCTTTCACATAGG

Supplementary Table S2: primers sequences for qRT-PCR.

	Forward (5'-3')	Reverse (5'-3')
STAU2	AGAGGGCCTGCTCATTCA AA	GCACTGGGCAATGATACC TCT
CAPZA1	GCCGACTTCGATGATCGT GT	AGTAGCCGAACGTCATTG AATAC
PPP2R2A	CATACCAGGTGCATGAAT ACCTC	GGGTTATGTCTCGCTTTG TGTTT
BZW1	AAGAGAGGTTTGACCCT ACTCAG	CTGCATATCGACGGTAAT CAAGT
YWHAB	CATGAAGGCAGTCACAG ACA	CTCACGGTACTCTTTGCC CAT
PMAIP1	ACCAAGCCGGATTTGCG ATT	ACTTGCACTTGTTCCCTCG TGG
ELOVL5	AGTGGTGTATAACCTTGG ACTCA	ACCAGAGGACACGGATA ATCTTC
MBNL1	GCTGTTAGTGTACACCA ATTCG	AGGCGATTACTCGTCCAT TTTC
KHDRBS3	CGCCTGGTGAACCAAGA AATA	TCTCTCATGGAACCTTTC CCAA
hsa_circ_0001811 (circSTAU2)	ACTGAATGGGCTTGCTAT G	GTGGCTTCTGAACTGGTT T
hsa_circ_0092337	AACTGTCTCGTCCGTCCT G	GTCCCGCTTAGCTCATCA C
hsa_circ_0000217	AACCTGCTGTGGAGTGG GA	AAGGGAActATAACAAGG AAATGC
hsa_circ_0078738	GACCGTGGAAGTGTTTG ACC	GACGCATAACCAGATGAC CTA
hsa_circ_0060055	TGGCTGAGGGTTCTGCTG T	TGGTCGGTGGTATTGTTG G
hsa_circ_0051258	AACTTCACCACGGACAA CCTC	GGGCACCCTTCATCACCA G
miR-589-3p	AACAAATGCCGGTTCCC AGA	TGTCGTGGAGTCGGCAAT TG
miR-182-5p	ATCACTTTTGGCAATGGT AGAACT	TATGGTTTTGACGACTGT GTGAT
miR-382-3p	ATCCGTGAAGTTGTTTCGT GG	TATGGTTGTAGAGGACTC CTTGAC

Supplementary Table S3: antibody information used in this study.

Antibody	Application	Cat number	Company
CAPZA1	Western blot	ab166892	Abcam
N-cadherin	Western blot	22018-1-AP	Proteintech
E-cadherin	Western blot	20874-1-AP	Proteintech
Vimentin	Western blot	ab92547	Abcam
GAPDH	Western blot	60004-1-Ig	Proteintech
MBNL1	Immunoprecipitation	94633	Cell signaling technology
MBNL1	Immunofluorescent	66837-1-Ig	Proteintech
TSG101	Western blot	28283-1-AP	Proteintech